

## ABSTRACT

A method of determining the velocity ( $v$ ) of a vehicle is provided. The vehicle  
5 has at least one pair of a front and a rear wheel which are spaced by a wheel  
spacing ( $B$ ). Front and rear wheel speed signals ( $\omega$ ) are determined which are  
indicative of the time dependent behavior of the front and rear wheel speeds,  
respectively. The front and rear wheel speed signals ( $\omega$ ) are correlated in order  
to determine a specific correlation feature indicative of the time delay ( $\tau$ )  
10 between the front wheel and rear wheel speed signals. The velocity ( $v$ ) of the  
vehicle is determined based on the correlation feature and the wheel spacing  
( $B$ ).

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